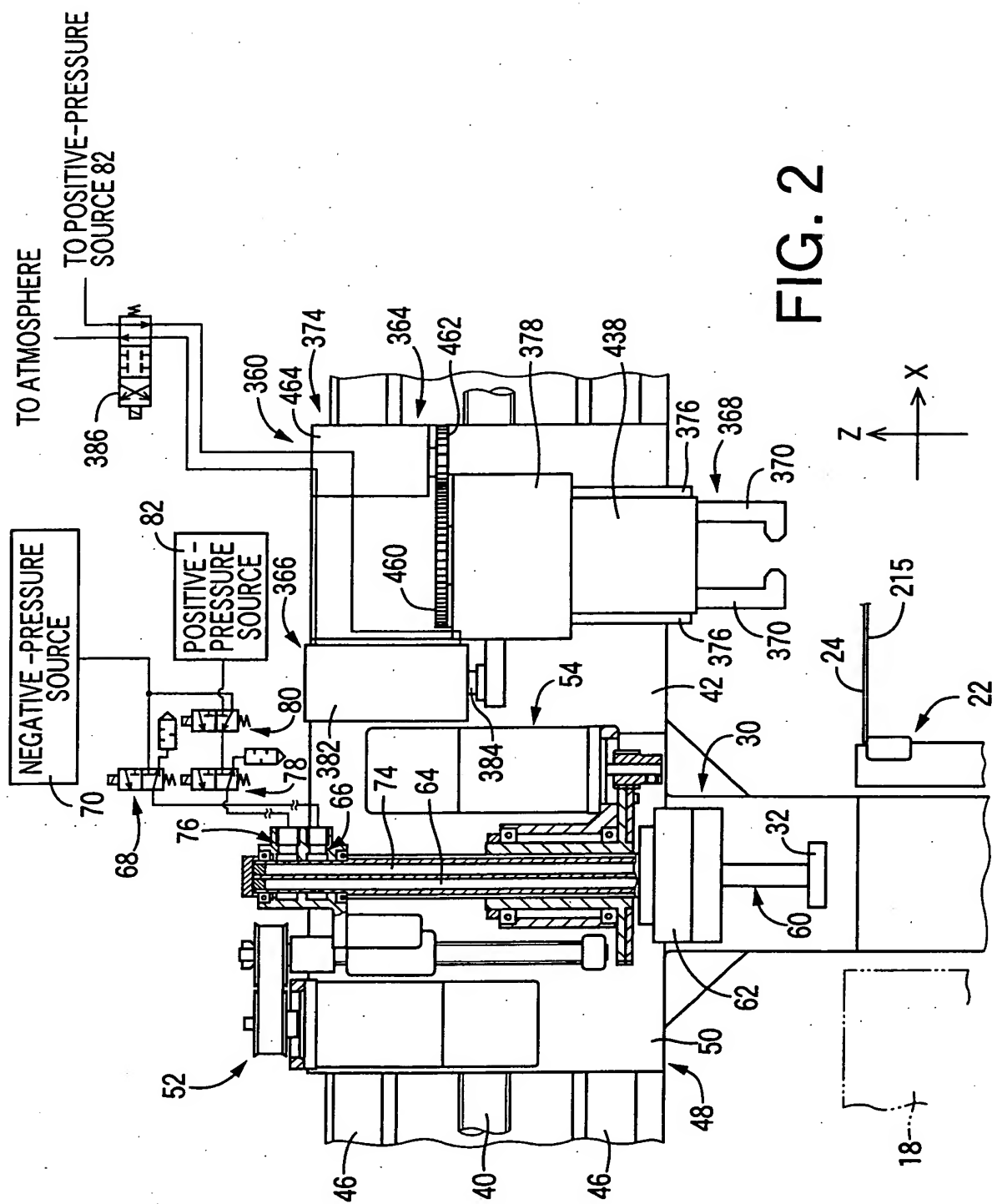


FIG. 1



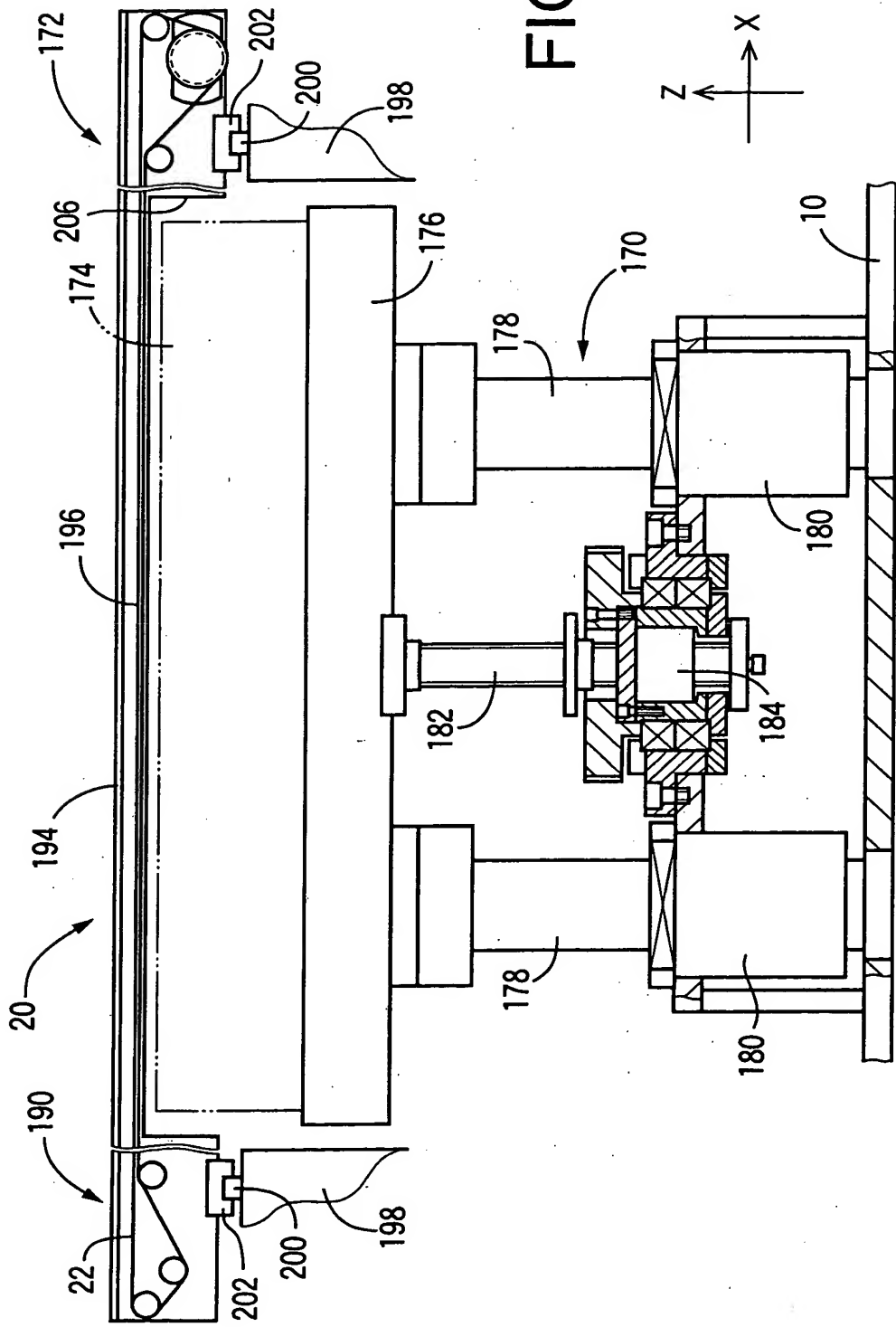


FIG. 3

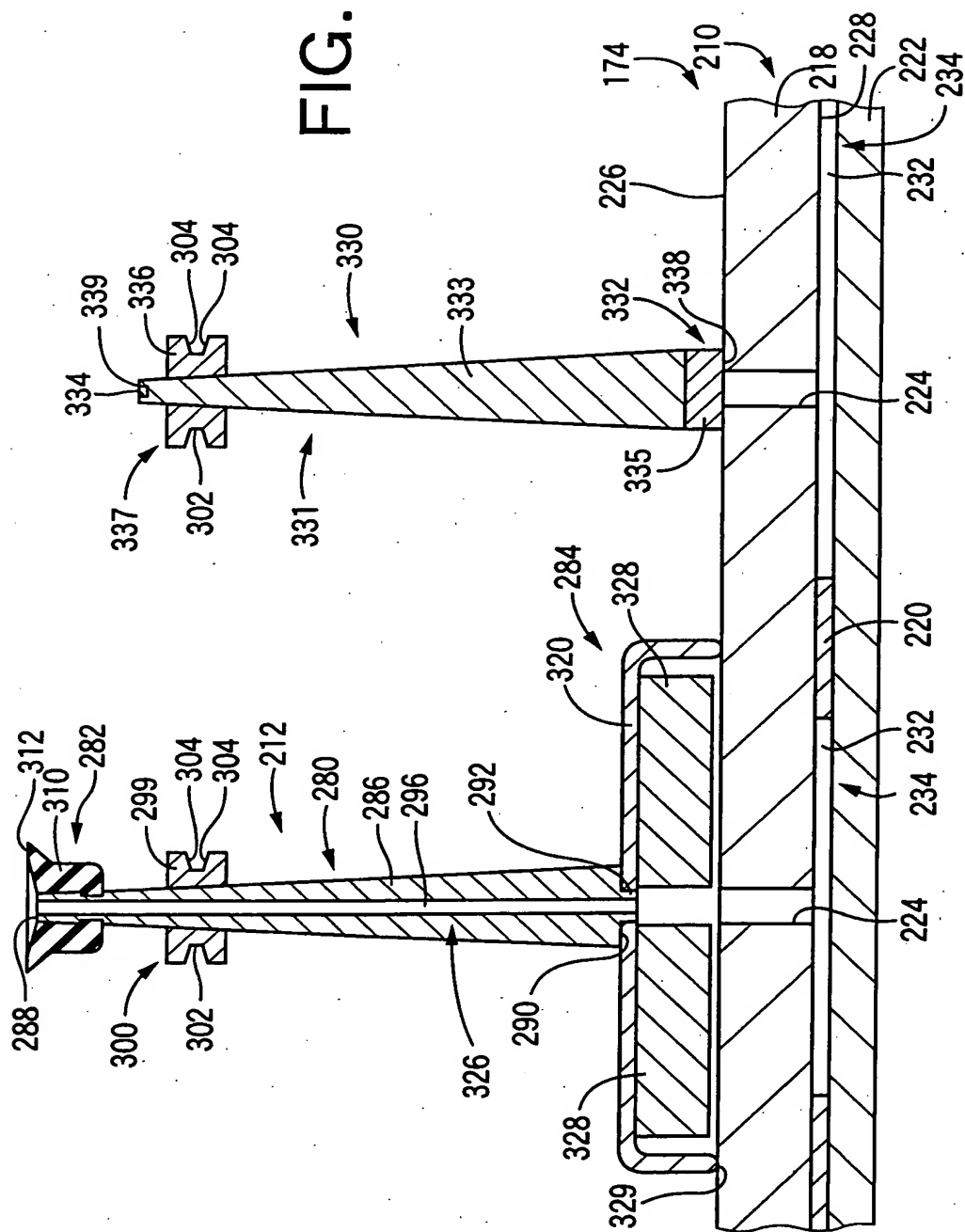


FIG. 5

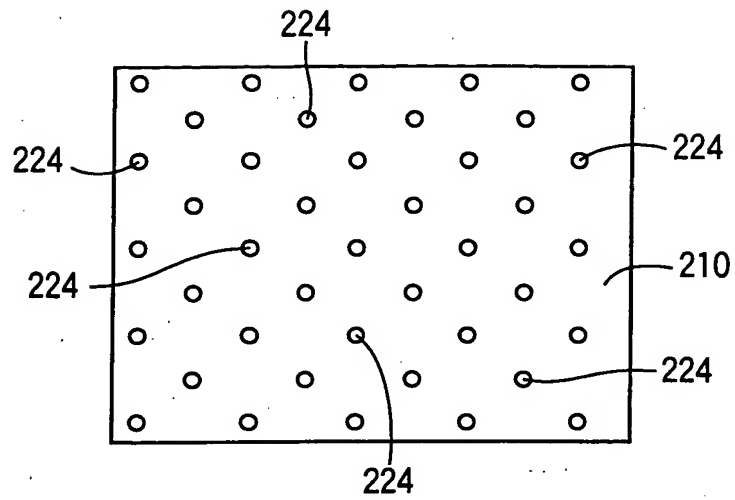


FIG. 6

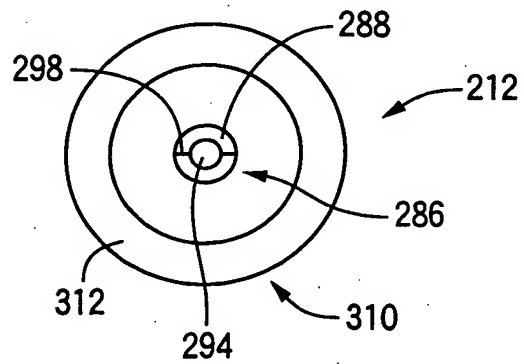


FIG. 7

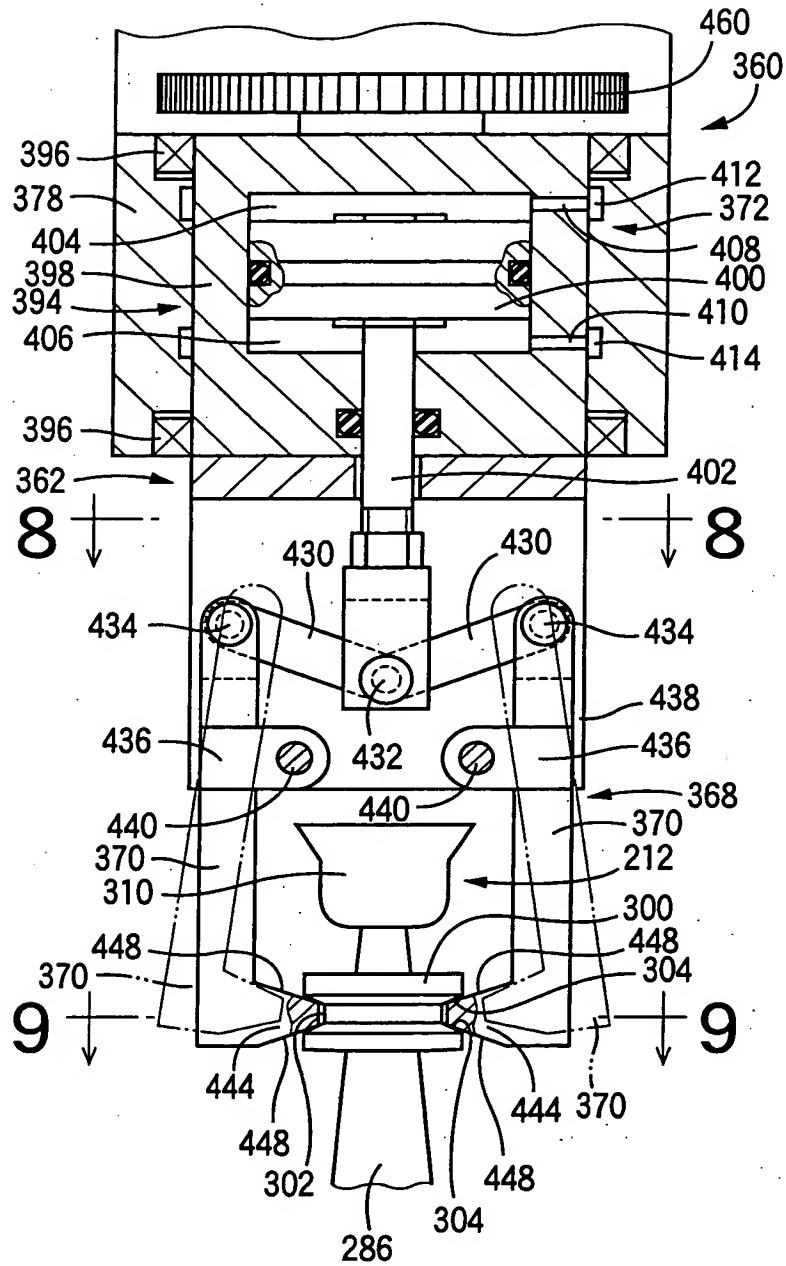


FIG. 8

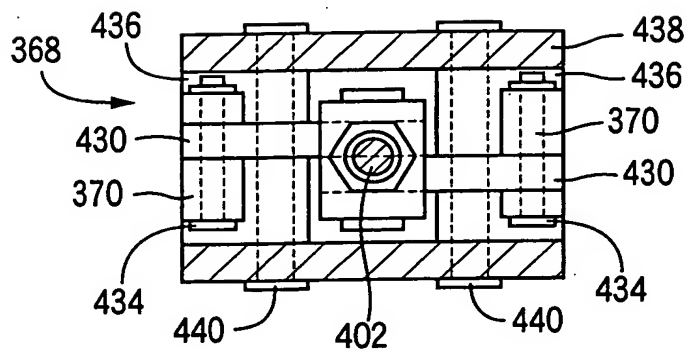


FIG. 9

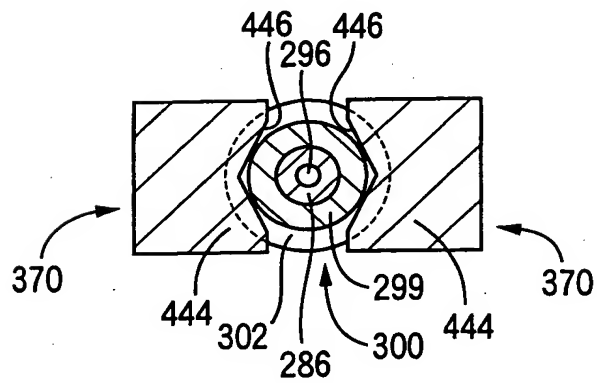
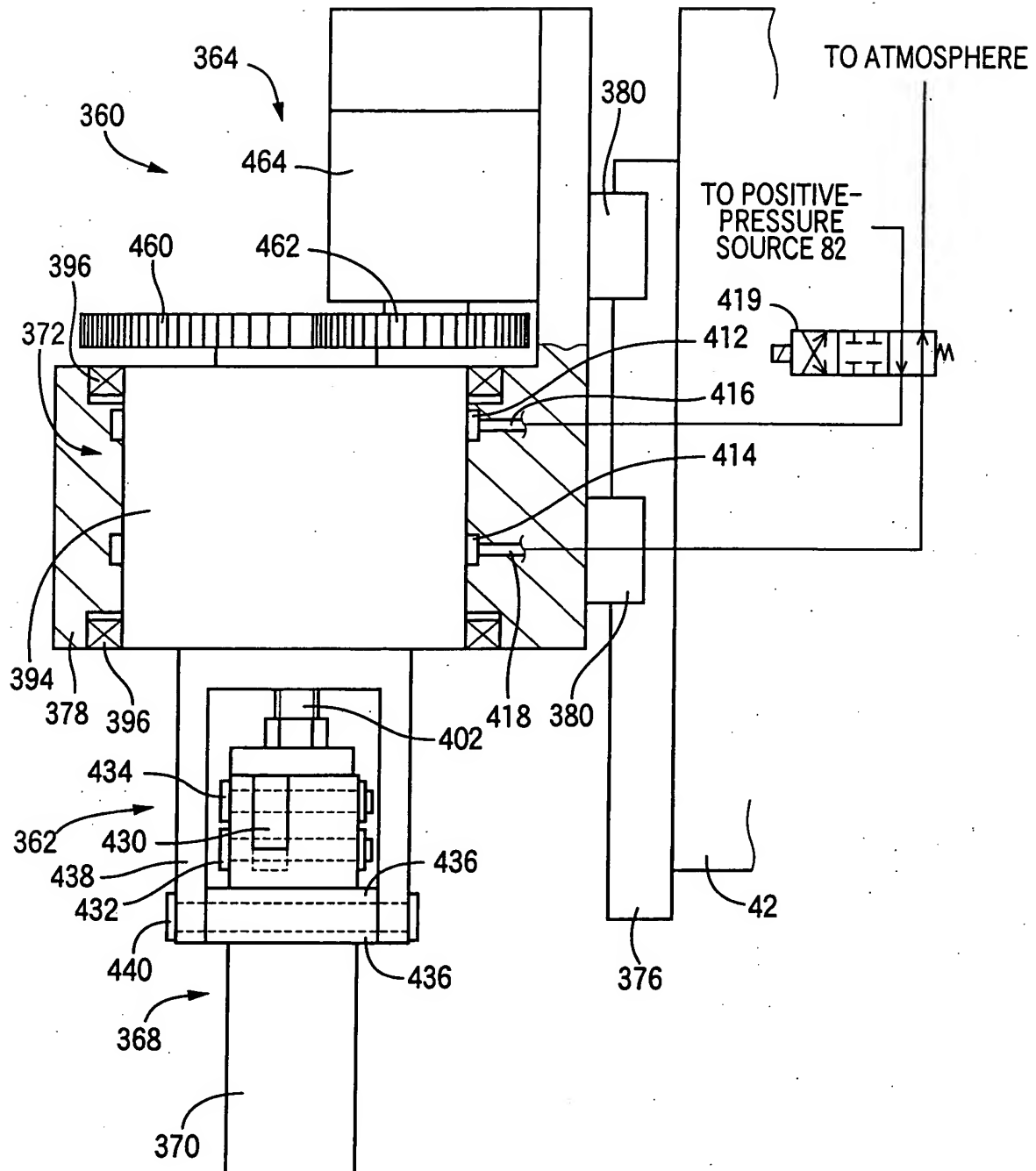


FIG. 10



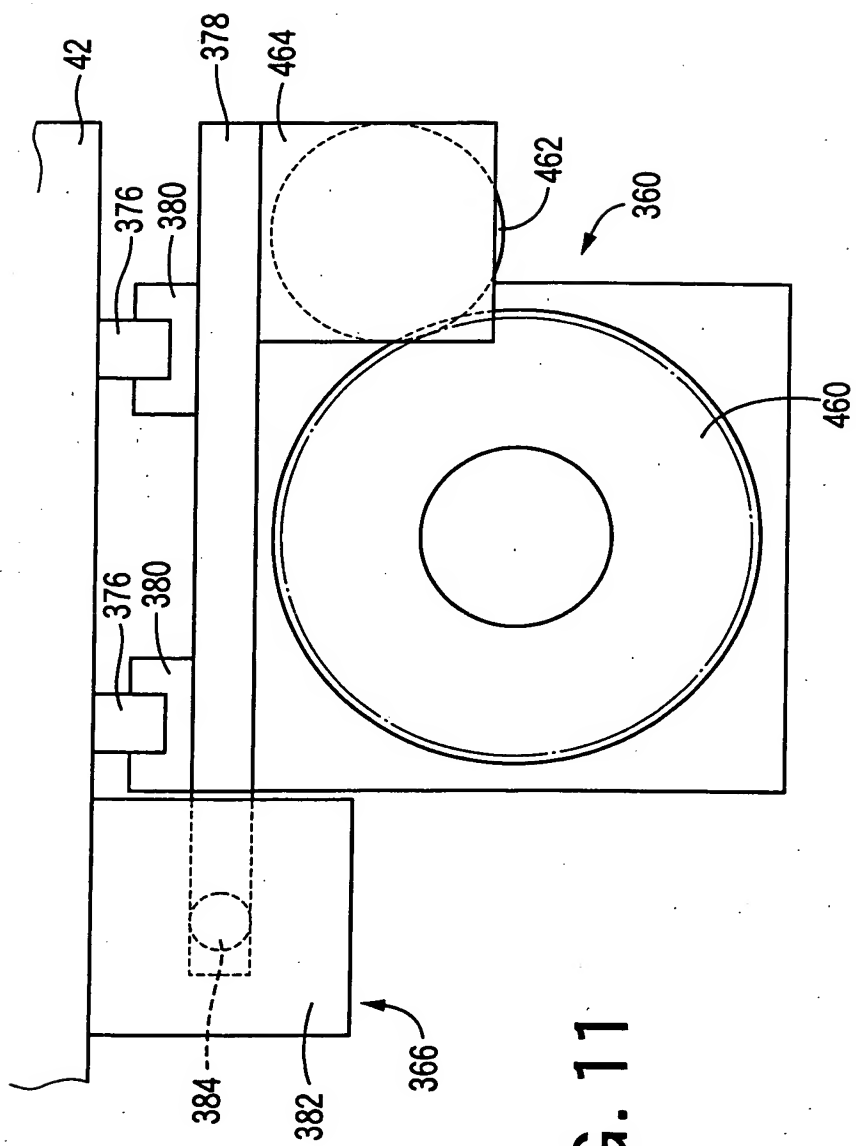
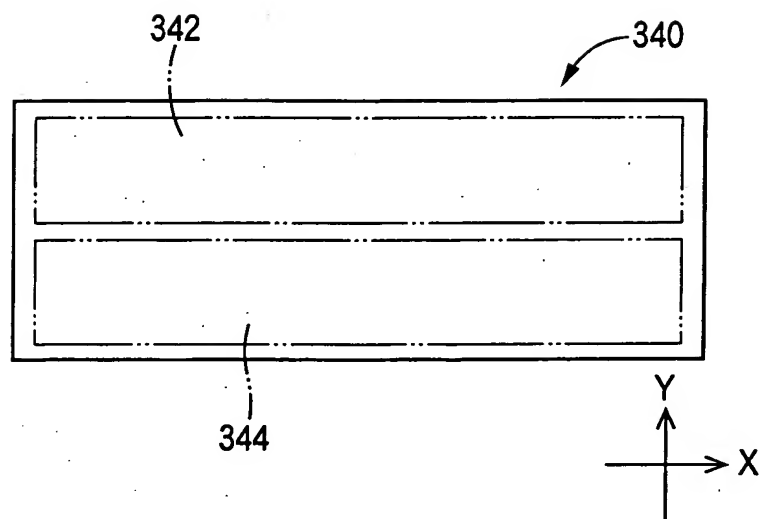


FIG. 11

FIG. 12



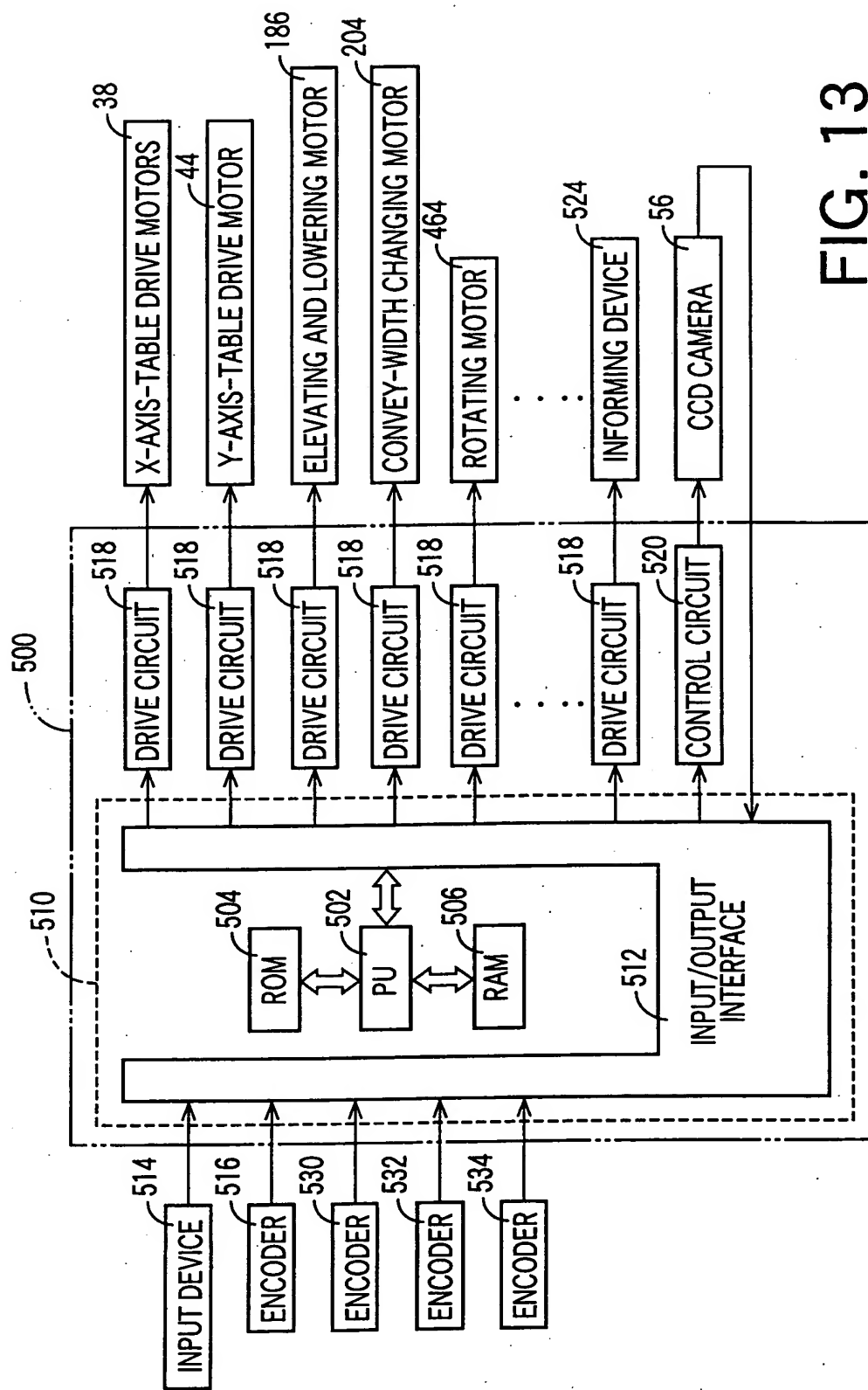


FIG. 14

PIN NUMBER np	PIN-SETTING INFORMATION
1	HOLDING PIN (X1, Y1, θ 1)
2	CLOSING PIN (X2, Y2, θ 2)
3	CLOSING PIN (X3, Y3, θ 3)
⋮	⋮
np-1	CLOSING PIN (Xnp-1, Ynp-1, θ np-1)
np	HOLDING PIN (Xnp, Ynp, θ np)

FIG. 15

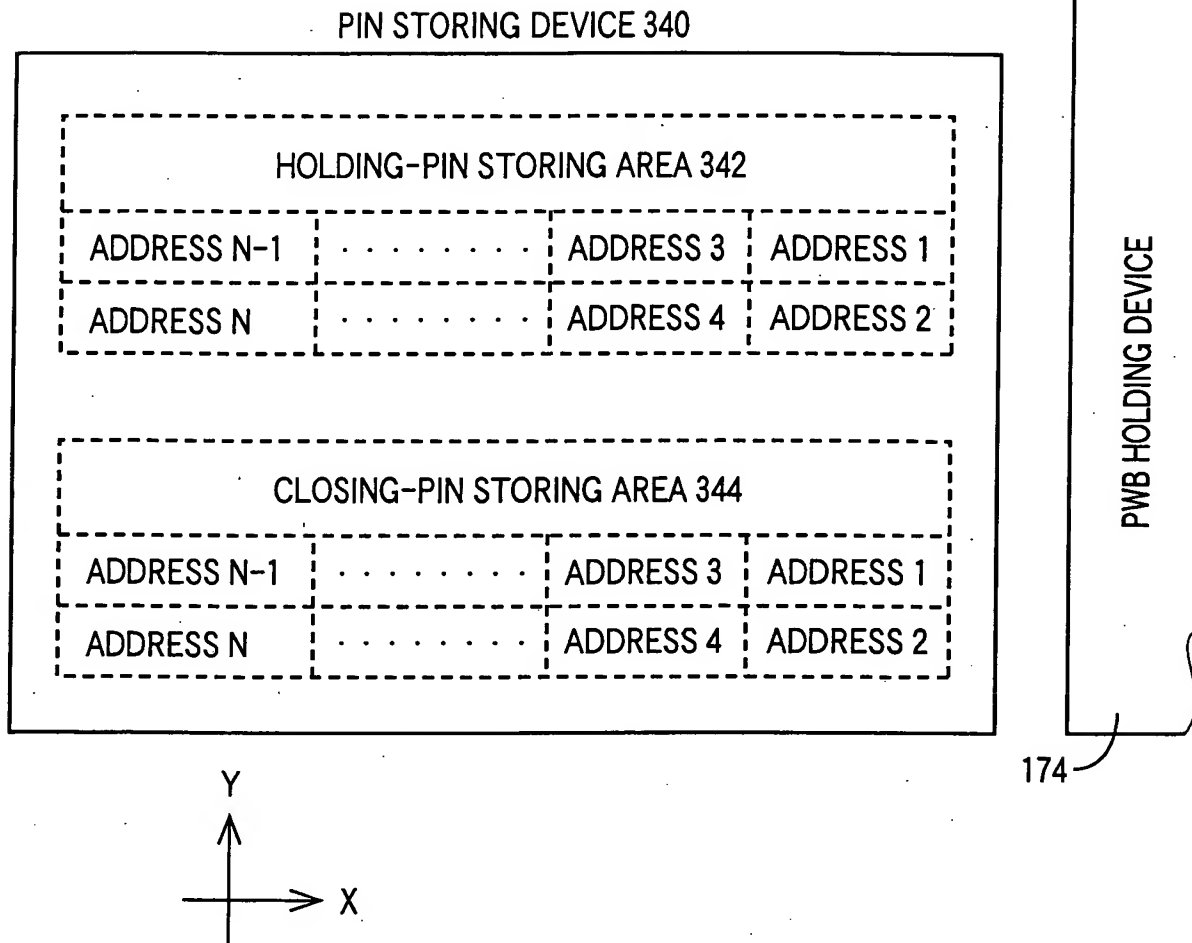


FIG. 16

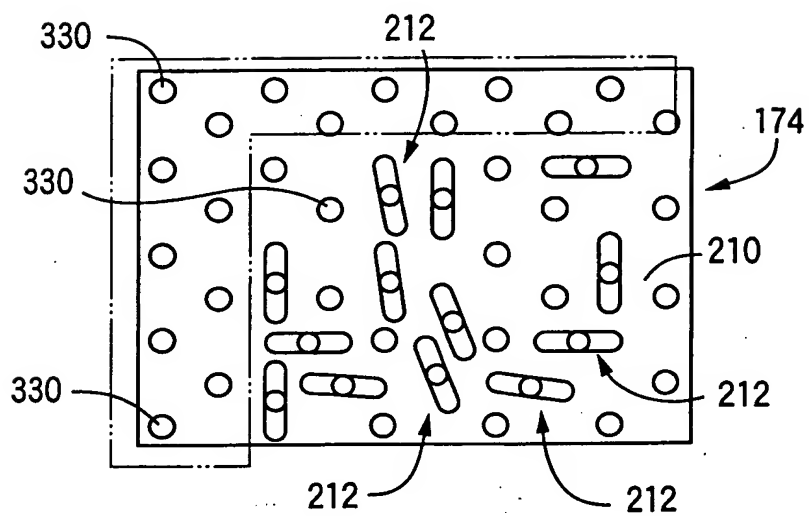


FIG. 17

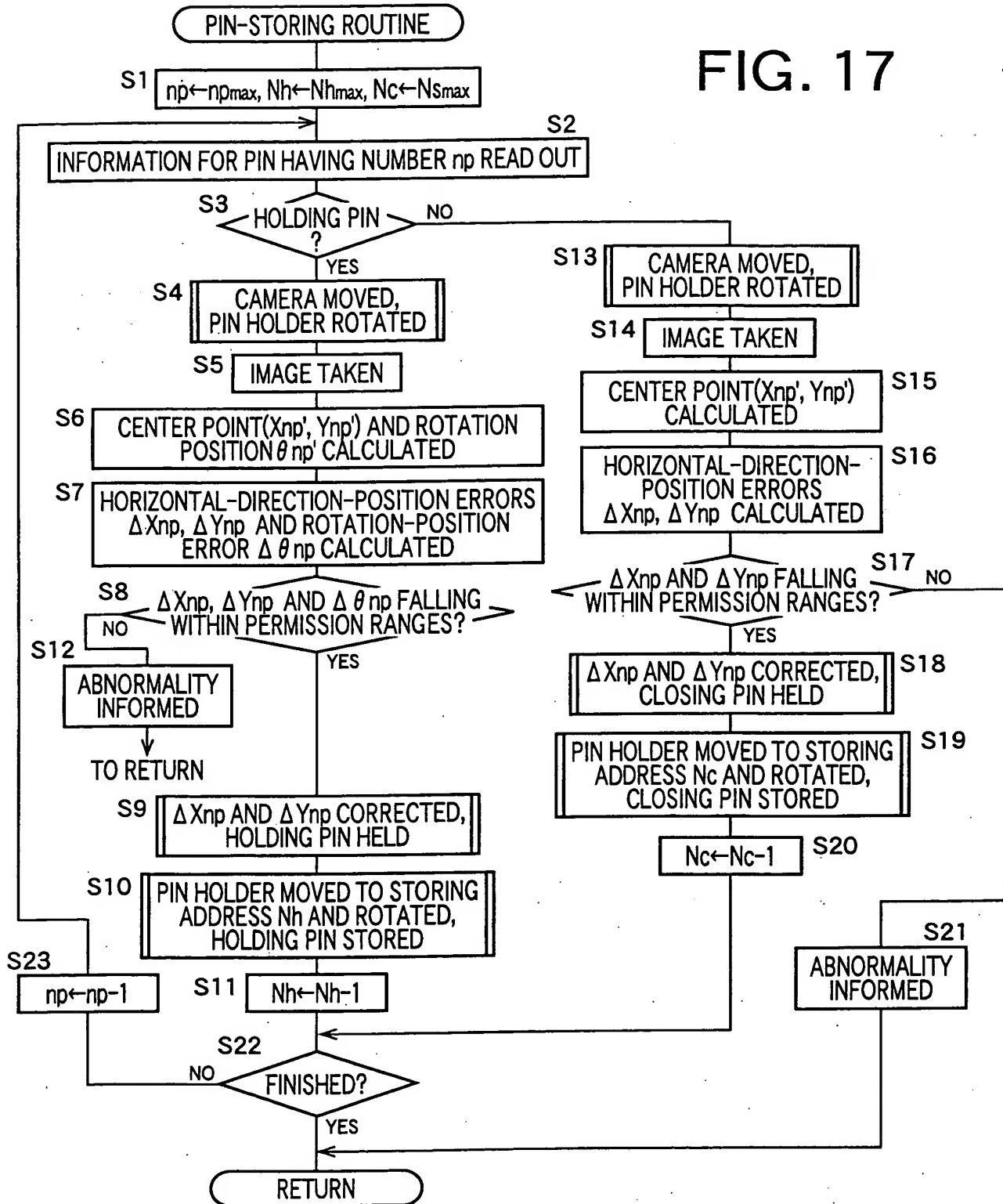


FIG. 18

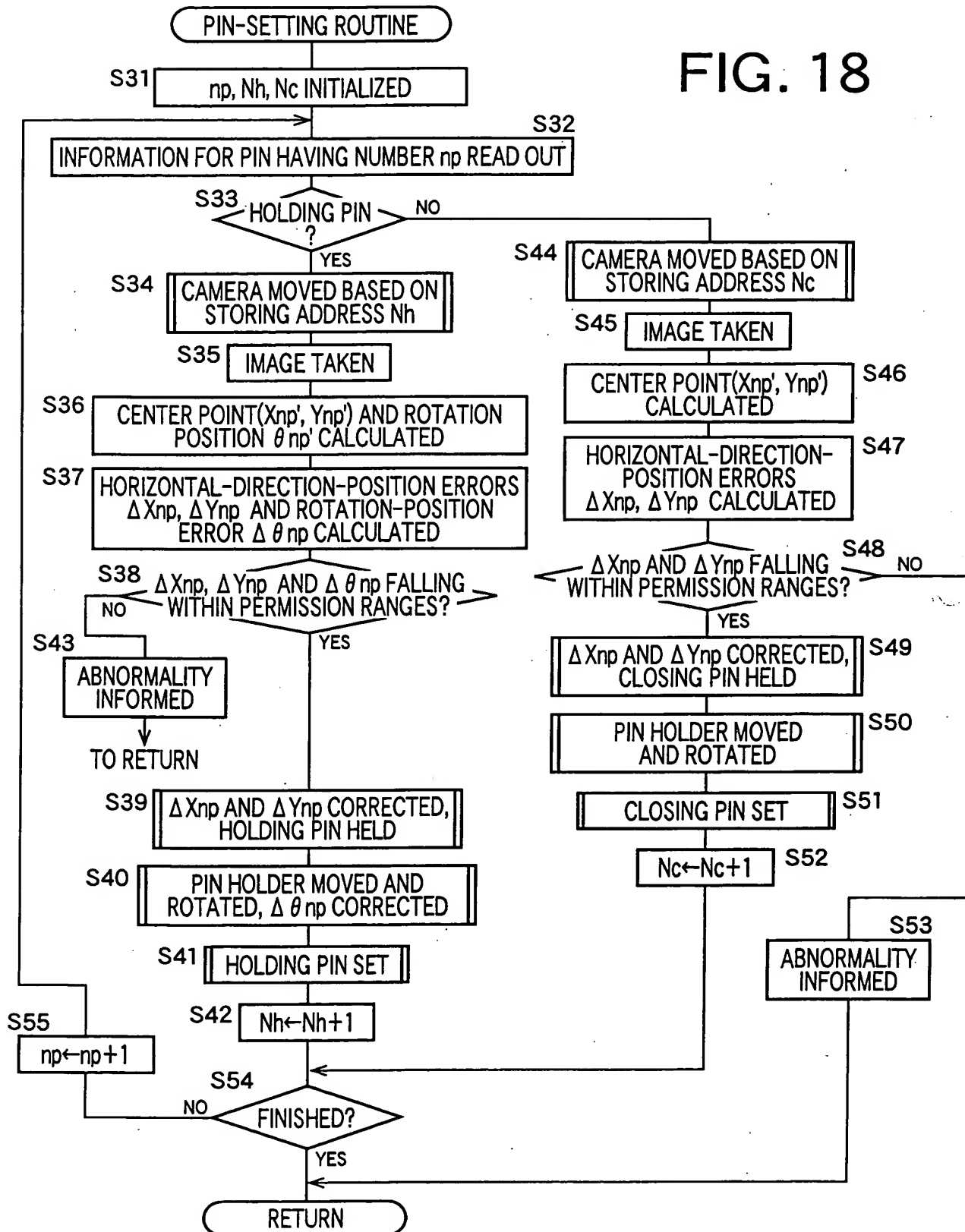


FIG. 19

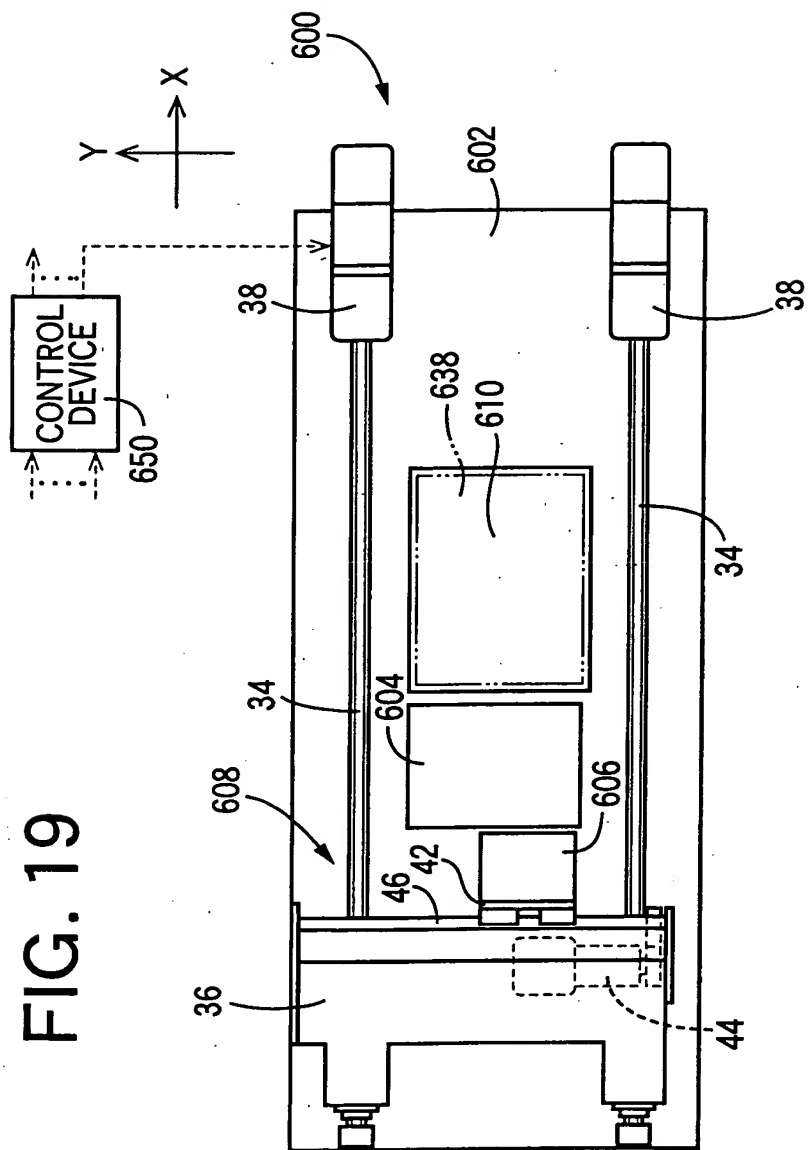


FIG. 20

